

2.1.1.1.2 Construction Activities

As part of the underground infrastructure at ISR facilities, a network of process pipelines and

cables are typically installed connecting (i) the central uranium processing facility or the satellite

facility and the header houses for transferring lixiviant; (ii) the header houses and wellfields for

injecting and recovering lixiviant; and (iii) the central plant and wastewater disposal facilities

(e.g., deep injection wells or land application areas) (NRC, 2009a). The piping and metering

system for production and injection solutions at the proposed Dewey-Burdock ISR Project will

require buried trunk lines to connect the Dewey satellite facility and its related operating

wellfield areas and the Burdock central processing plant and its related wellfields to the

As described in GEIS Section 2.3, the general construction activities associated with ISR

facilities are drilling wells; clearing and grading associated with road construction; excavating

and building foundations and surface impoundments; assembling buildings; trenching; and laying pipelines (NRC, 2009a). The facilities to be constructed as part of the proposed

Dewey-Burdock ISR Project are the central processing plant, satellite facility, and associated

infrastructure, such as wellfields, pipelines, power lines, header houses, ponds, center pivot

circles (land application), and access roads (Powertech, 2009a). Surface facilities, underground

infrastructure, and access roads at the proposed Dewey-Burdock site will be designed and built

using standard construction techniques. Construction vehicles will include bulldozers, drilling

rigs, water trucks, forklifts, pump hoist trucks, pickup and flatbed trucks, and other support

vehicles. Construction-related activities at the proposed project will continue throughout much

of the life of the project, as wellfields are sequentially developed and additional wells,

underground piping, and surface structures are added and then subsequently decommissioned.